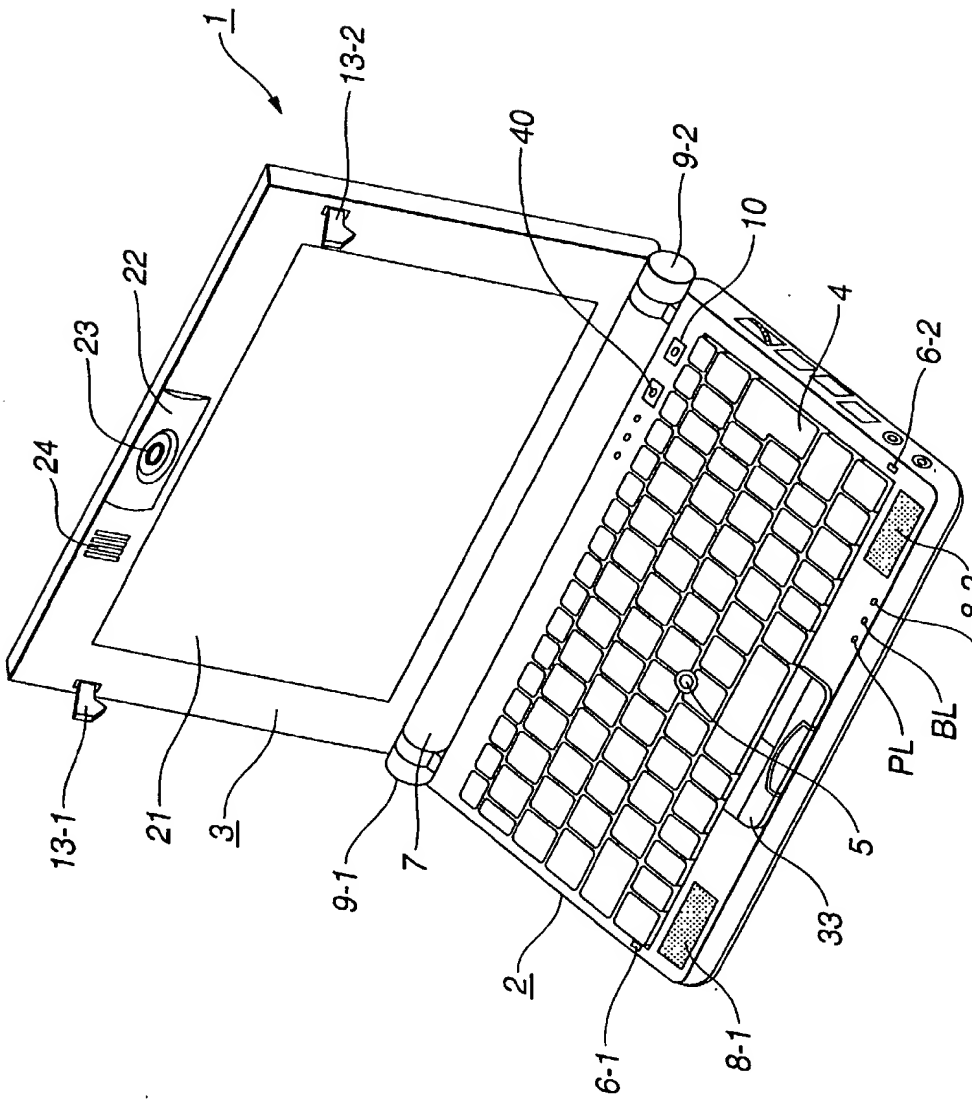

FIG.1

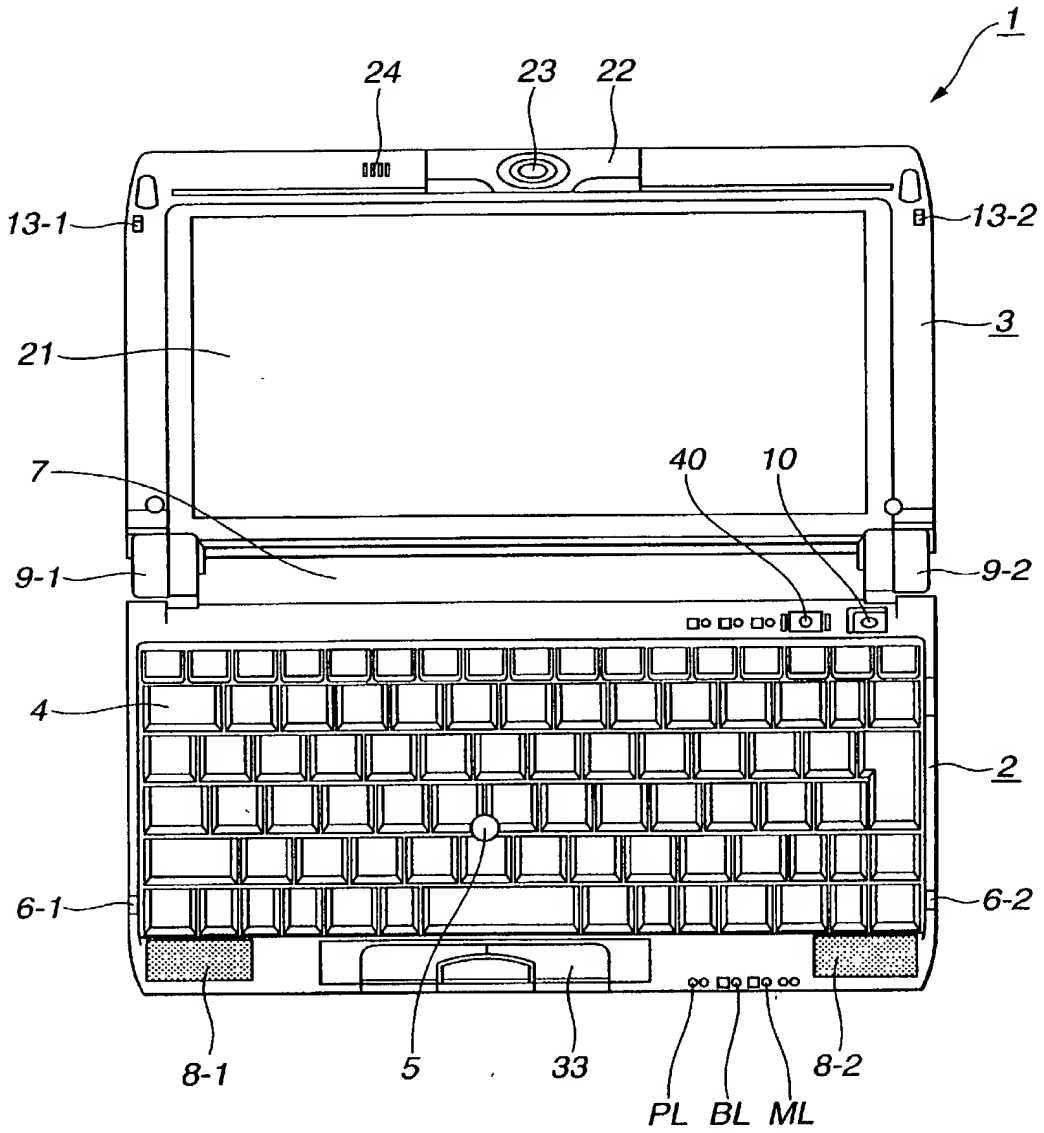

FIG.2

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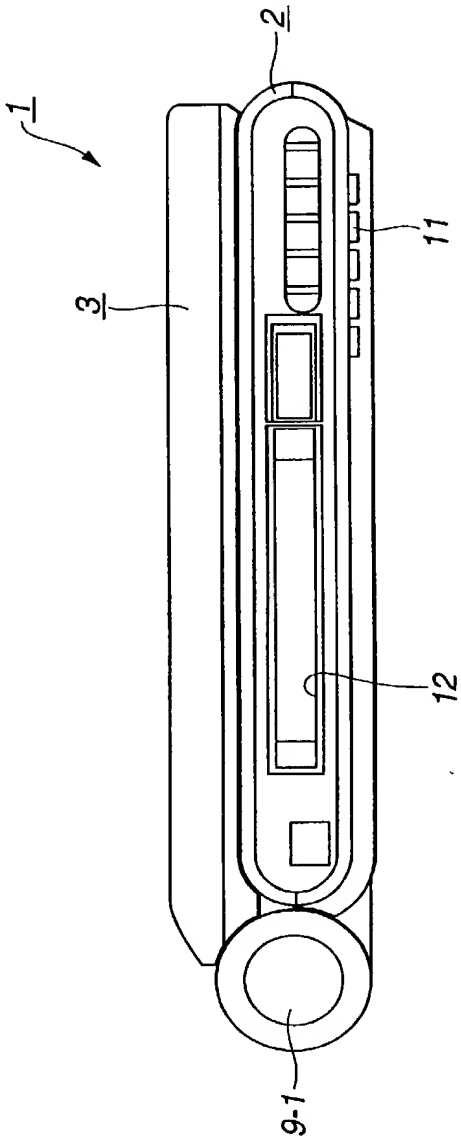

FIG.3

FOREIGN PATENT

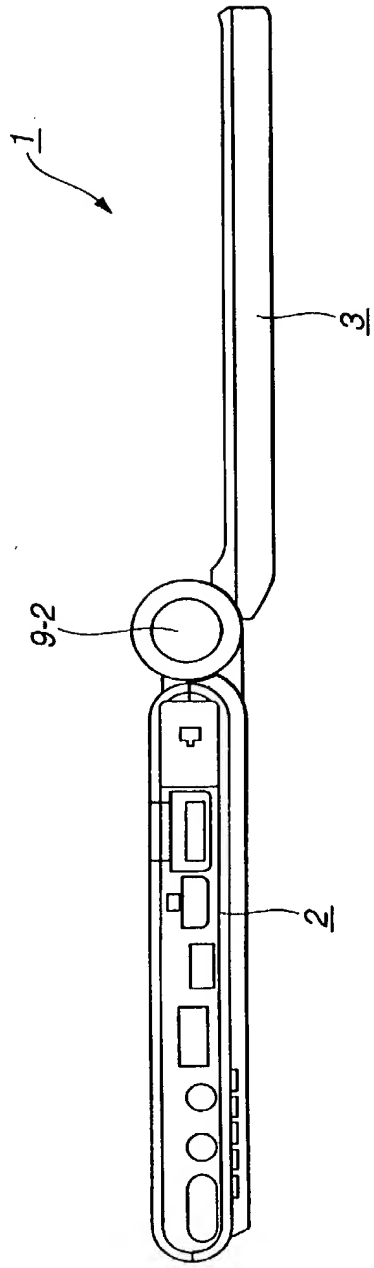

FIG.4

FOR 2000 09/937463

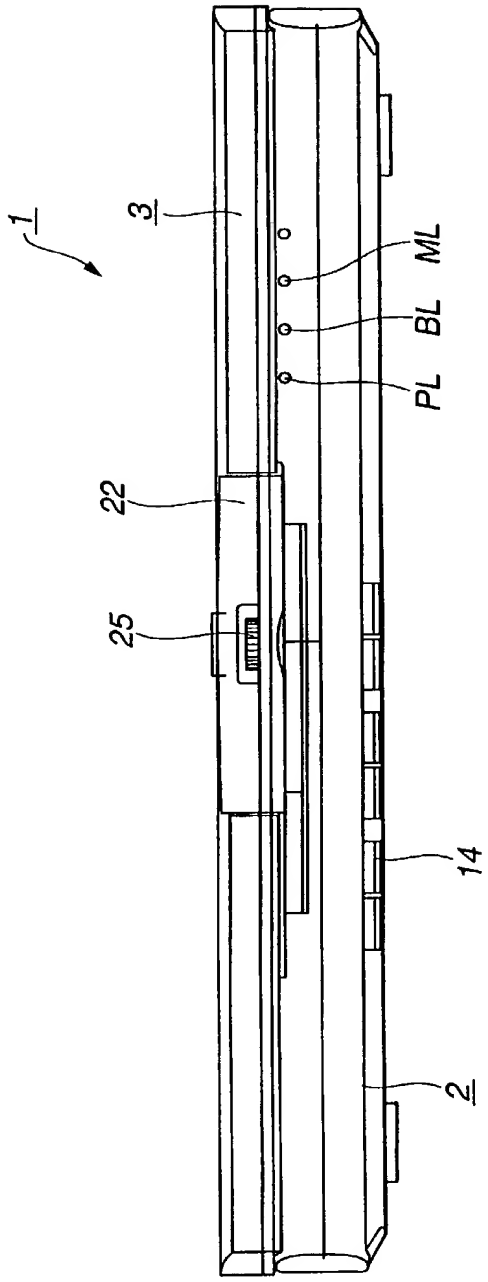

FIG.5

EP0260649A1

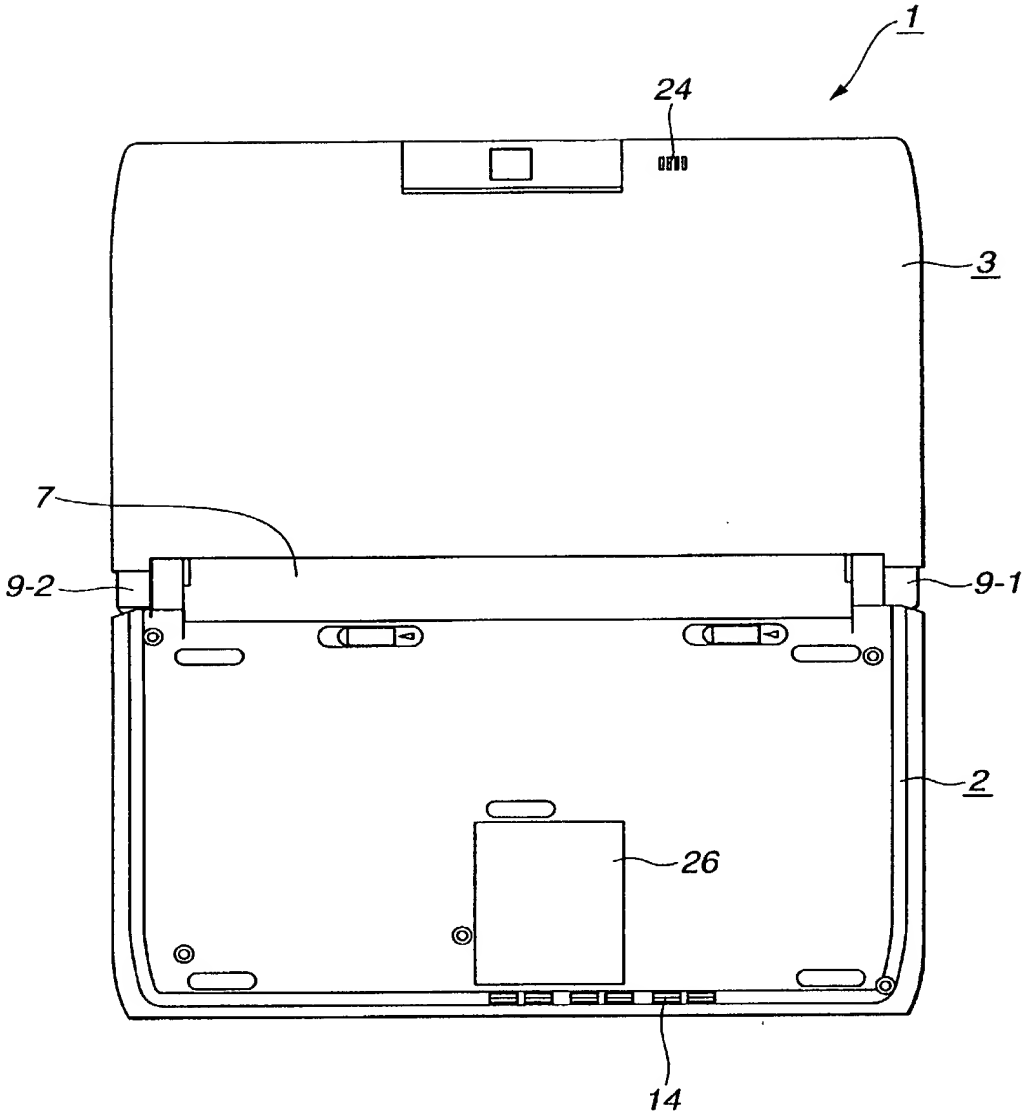

FIG.6

translation of 4050-2

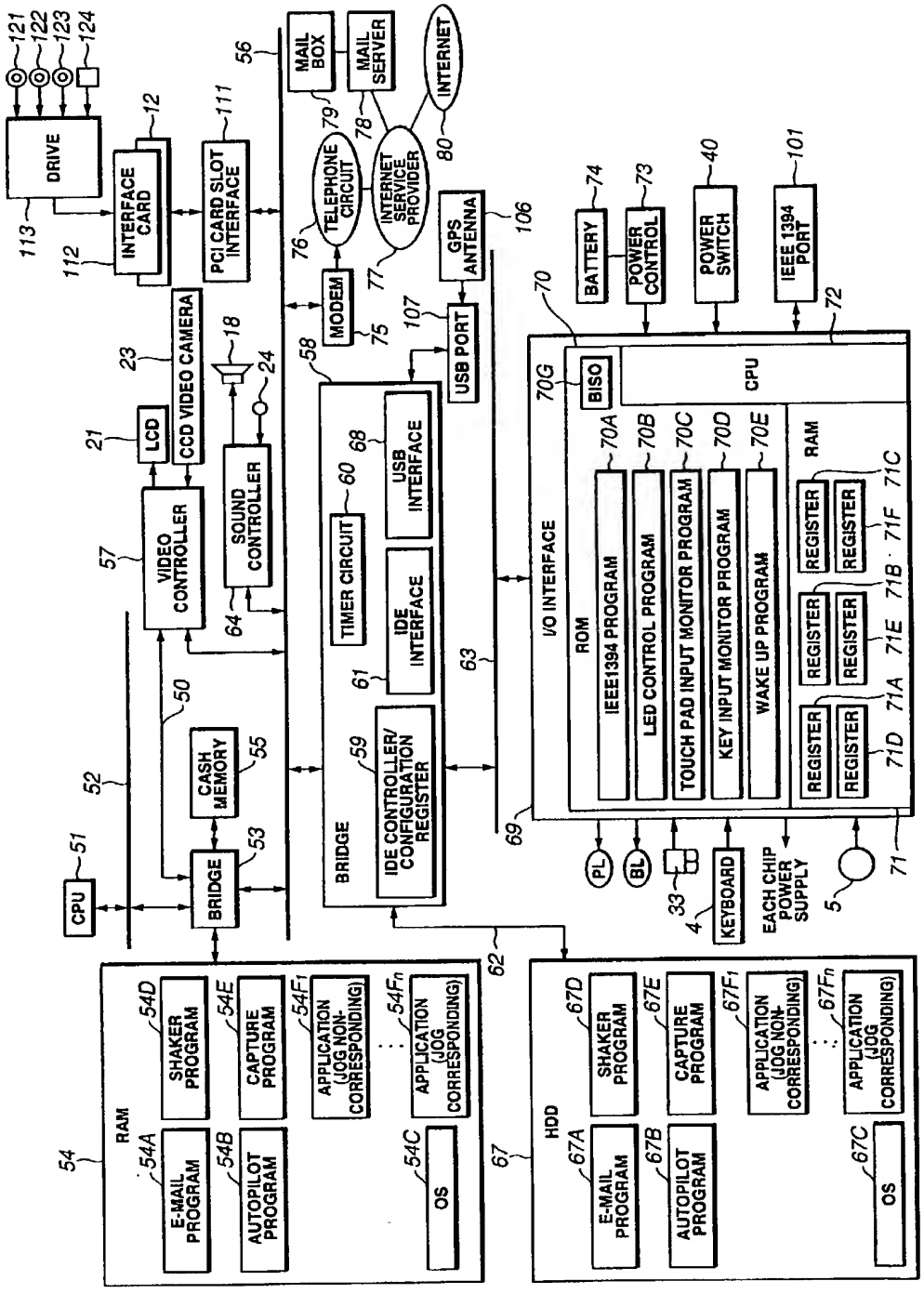
DRIVE
INTERFACE CARD
PCI CARD SLOT INTERFACE
MAIL BOX
MAIL SERVER
INTERNET
TELEPHONE CIRCUIT
INTERNET SERVICE PROVIDER
GPS ANTENNA
MODEM
USB PORT
LCD
CCD VIDEO CAMERA
VIDEO CONTROLLER
SOUND CONTROLLER
CASH MEMORY
CPU
BRIDGE
IDE CONTROLLER/ CONFIGURATION REGISTER
TIMER CIRCUIT
IDE INTERFACE
USB INTERFACE
I/O INTERFACE
ROM
IEEE1394 PROGRAM
LED CONTROL PROGRAM
TOUCH PAD INPUT MONITOR PROGRAM
KEY INPUT MONITOR PROGRAM
WAKE UP PROGRAM
BISO
CPU
RAM
REGISTER
BATTERY
POWER CONTROL
POWER SWITCH
IEEE 1394 PORT
KEYBOARD
EACH CHIP POWER SUPPLY
RAM
E-MAIL PROGRAM
AUTOPILOT PROGRAM
SHAKER PROGRAM
CAPTURE PROGRAM
APPLICATION (JOG NON-CORRESPONDING)
APPLICATION (JOG CORRESPONDING)
OS
HDD

FIG.7

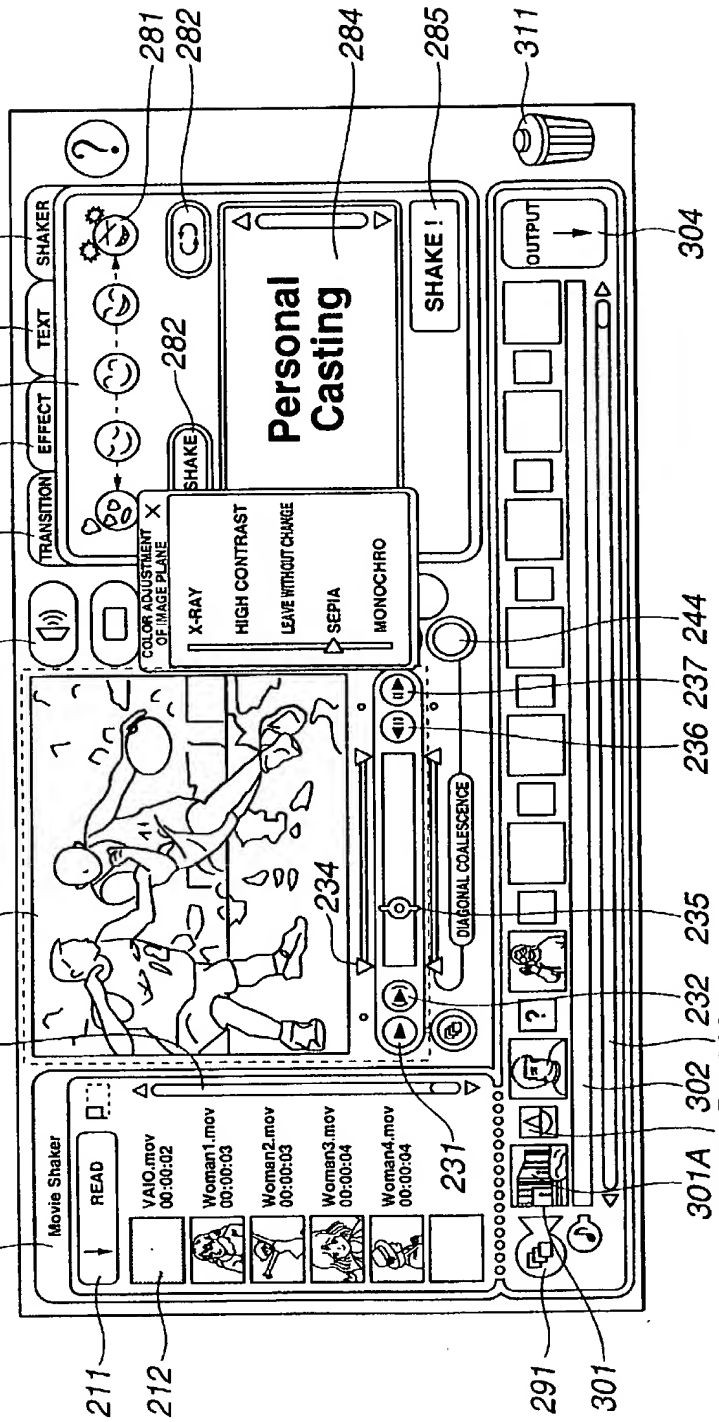
SHAKER
TEXT
EFFECT
TRANSITION
SHAKE
Personal Casting
SHAKE !
OUTPUT
COLOR ADJUSTMENT OF IMAGE PLANE
X-RAY
HIGH CONTRAST
LEAVE WITHOUT CHANGE
SEPIA
MONOCHRO
DIAGONAL COALESCENCE
Movie Shaker
READ
VAIO.mov 00:00:02
Woman1.mov 00:00:03
Woman2.mov 00:00:03
Woman3.mov 00:00:04
Woman4.mov 00:00:04
201
211
212
213
221
231
234
235
236
237
241
244
261
271-1
271-2
271-3
271-4
281
282
284
285
291
301
301A
301B
302
303
304
311

FIG.8

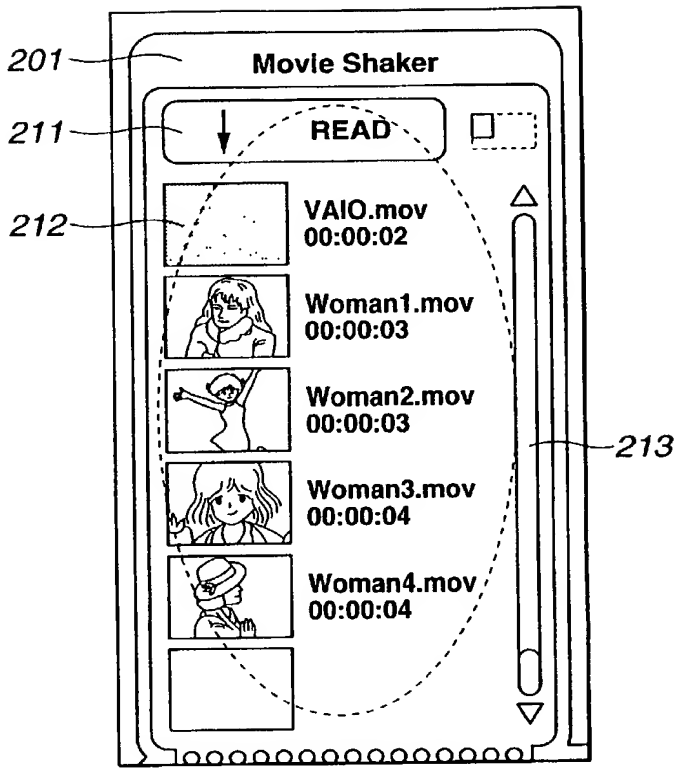

FIG.9

FIG.10

Translated Copy

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ANIMATION	.MOV .AVI
STATIONARY IMAGE	.BMP .GIF .JPG .PNG .PCT
MUSIC	.WAV .AIF

FIG.11

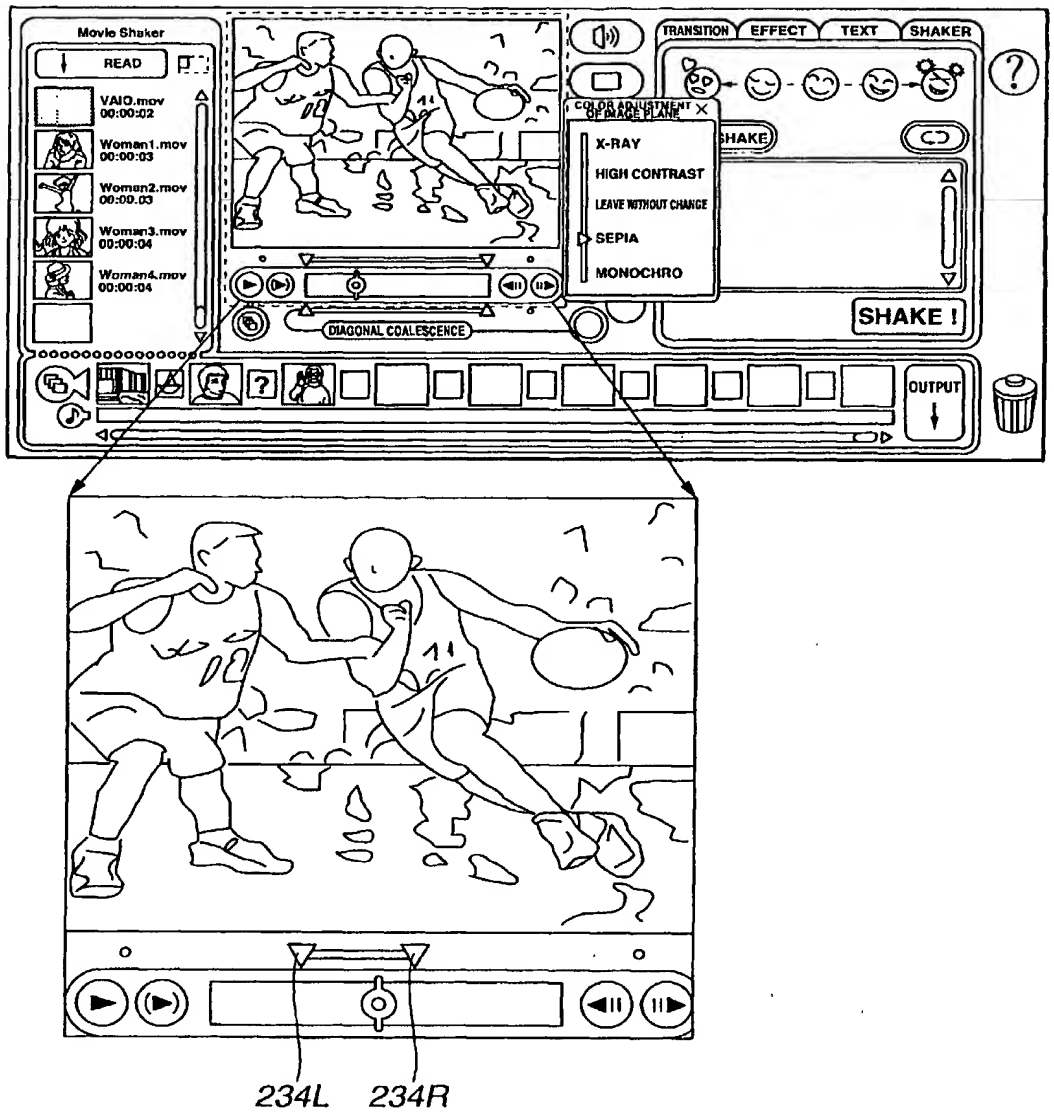
Movie Shaker
READ
VAIO.mov
00:00:02
Woman1.mov
00:00:03
Woman2.mov
00:00:03
Woman3.mov
00:00:04
Woman4.mov
00:00:04
DIAGONAL COALESCENCE
TRANSITION
EFFECT
TEXT
SHAKER
X-RAY
HIGH CONTRAST
LEAVE WITHOUT CHANGE
SEPIA
MONOCHRO
SHAKE !
OUTPUT
234L
234R

FIG.12

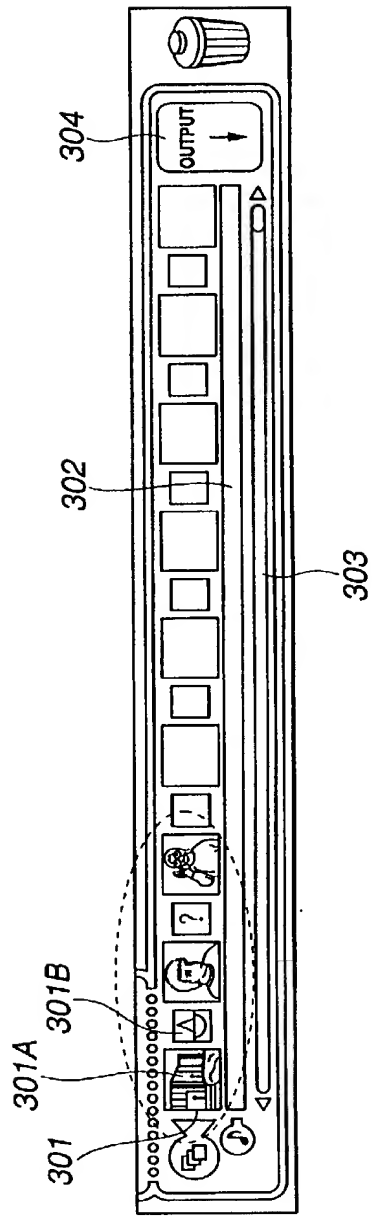

FIG.13

EPO - DG 1 09. 04. 2002

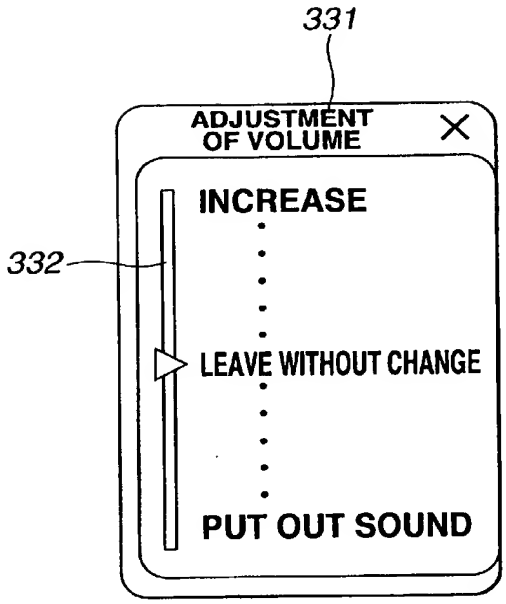
331
ADJUSTMENT OF VOLUME
INCREASE
332
LEAVE WITHOUT CHANGE
PUT OUT SOUND

FIG.14

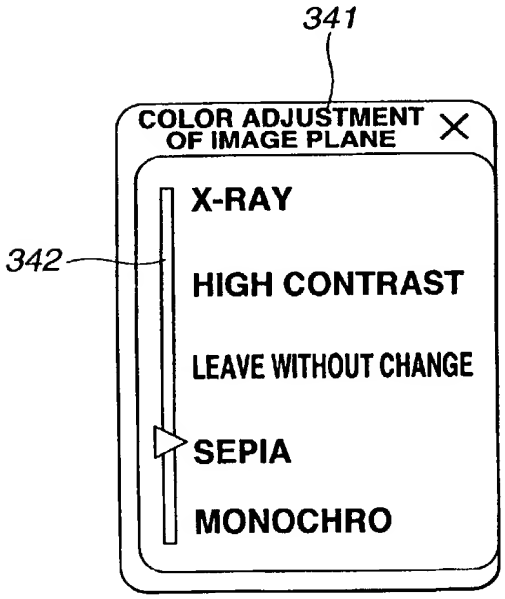
341
COLOR ADJUSTMENT OF IMAGE PLANE
X-RAY
342
HIGH CONTRAST
LEAVE WITHOUT CHANGE
SEPIA
MONOCHRO

FIG.15

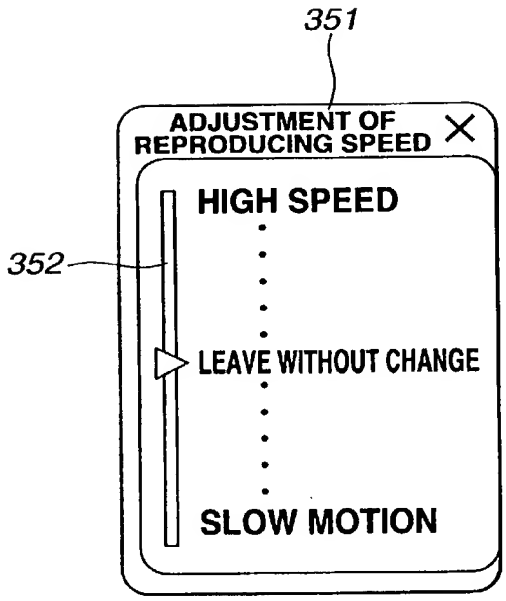

FIG.16

Patent Application Publication

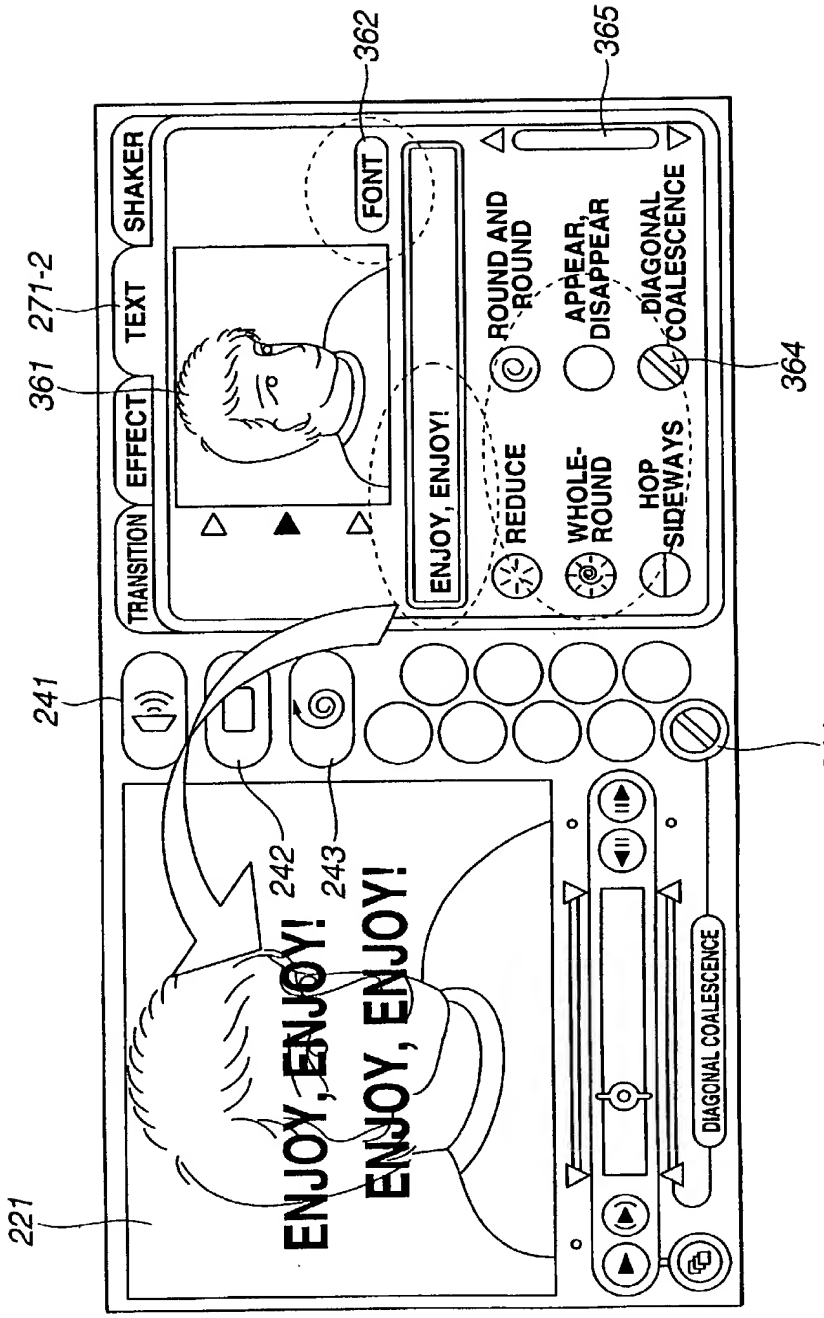
362
365
271-2
361
241
242
243
244
221
TRANSITION
EFFECT
TEXT
SHAKER
FONT
ENJOY, ENJOY!
REDUCE
WHOLE-ROUND
HOP SIDEWAYS
ROUND AND ROUND
APPEAR, DISAPPEAR
DIAGONAL COALESCENCE
364
ENJOY, ENJOY!
ENJOY, ENJOY!
DIAGONAL COALESCENCE

FIG.17

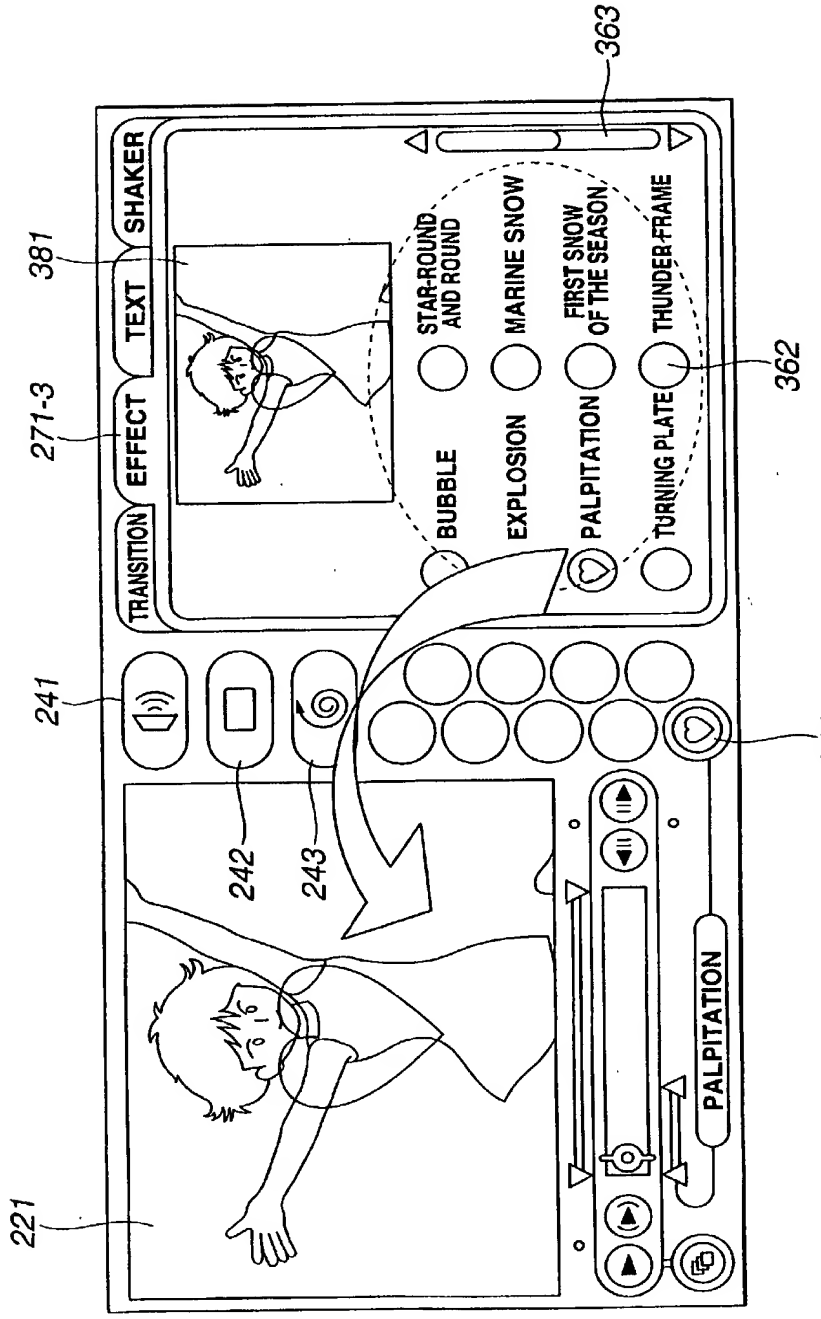
363
381
271-3
241
242
243
244
362
221
TRANSITION
EFFECT
TEXT
SHAKER
BUBBLE
STAR-ROUND AND ROUND
EXPLOSION
MARINE SNOW
PALPITATION
FIRST SNOW OF THE SEASON
TURNING PLATE
THUNDER-FRAME
PALPITATION

FIG.18

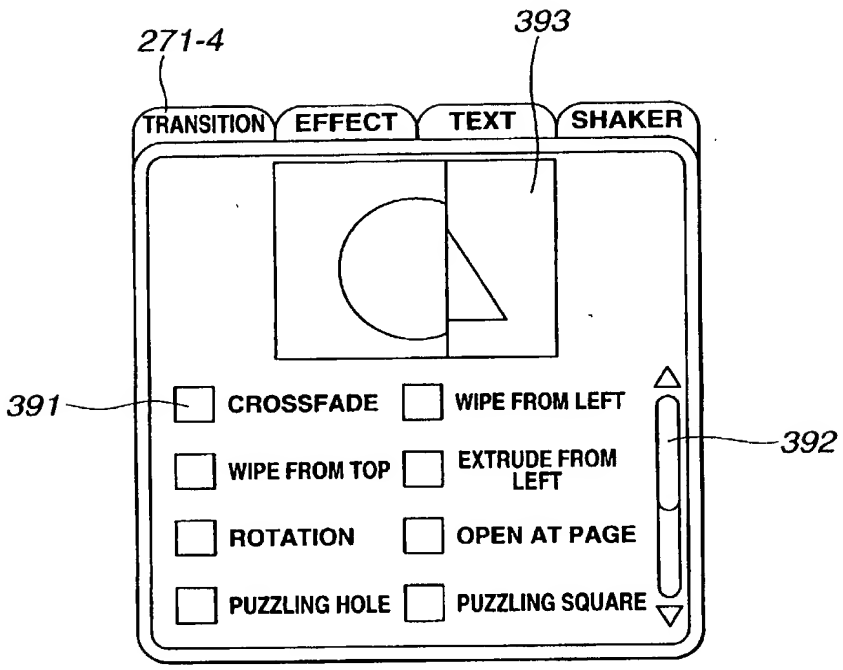

FIG.19

EFS ID: 4646

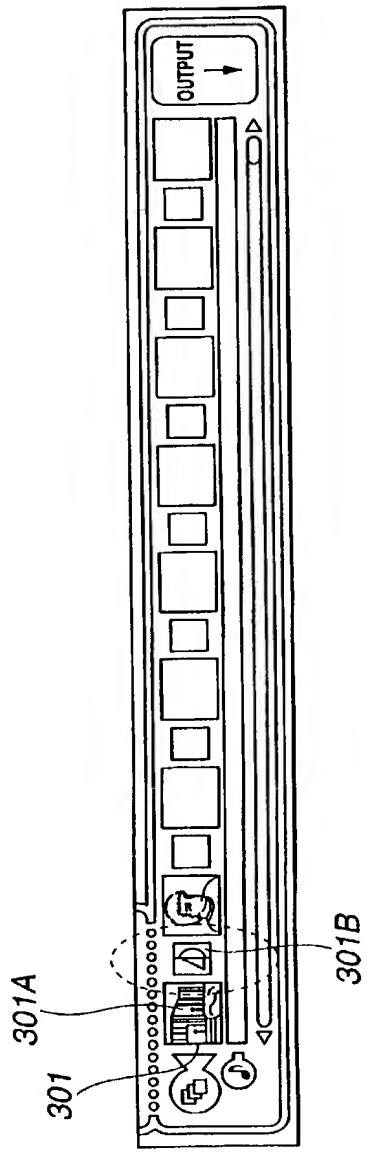

FIG.20

EP1937463

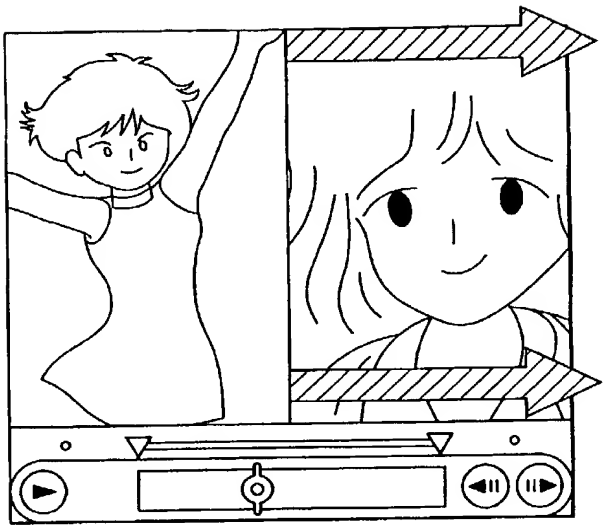

FIG.21

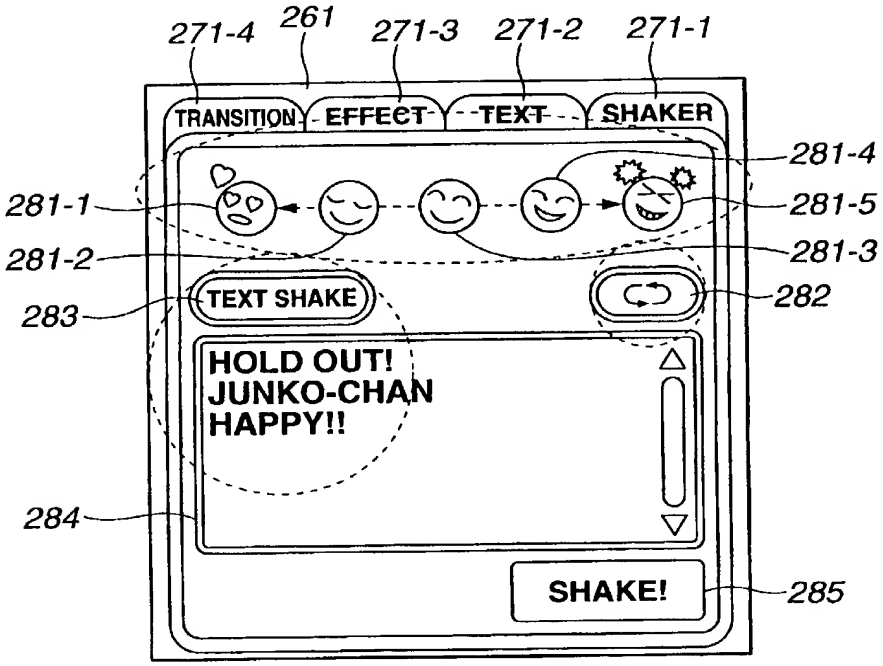

FIG.22

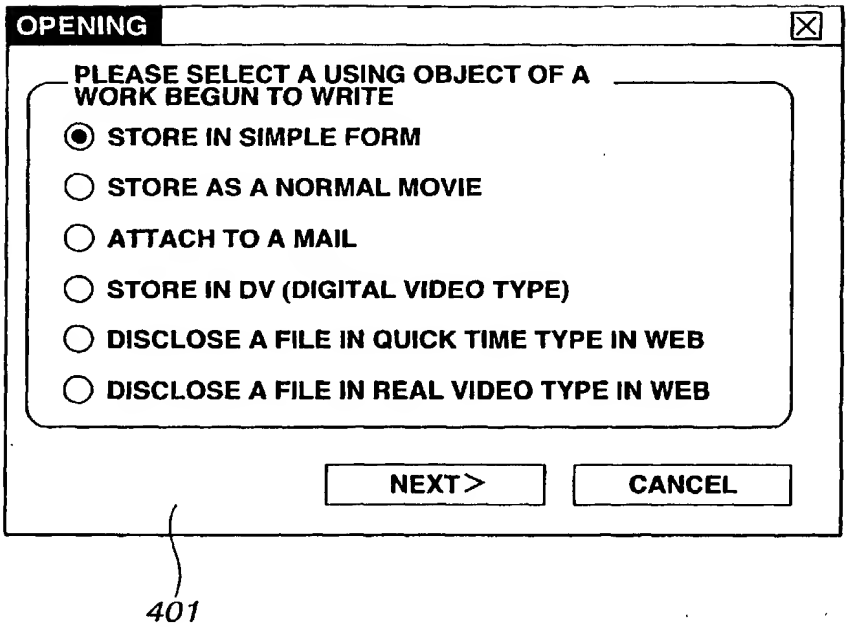

FIG.23

FRAME NO.	ANIMATION EFFECT	TRANSITION	TRANSITION TIMING	COLOR TONE EFFECT	BLACK MAT BACKGROUND
00.06	99	0	0	99	1
04.09	99	0	0	21	0
07.01	99	0	0	21	0
09.28	99	0	0	21	0
15.19	99	0	0	21	0
19.27	99	0	0	21	0
24.03	99	0	0	21	0
28.09	99	0	0	21	0
33.29	99	0	0	21	0
36.12	99	99	0	99	1

FIG.24

T0Pe60 "E9Y4S6D

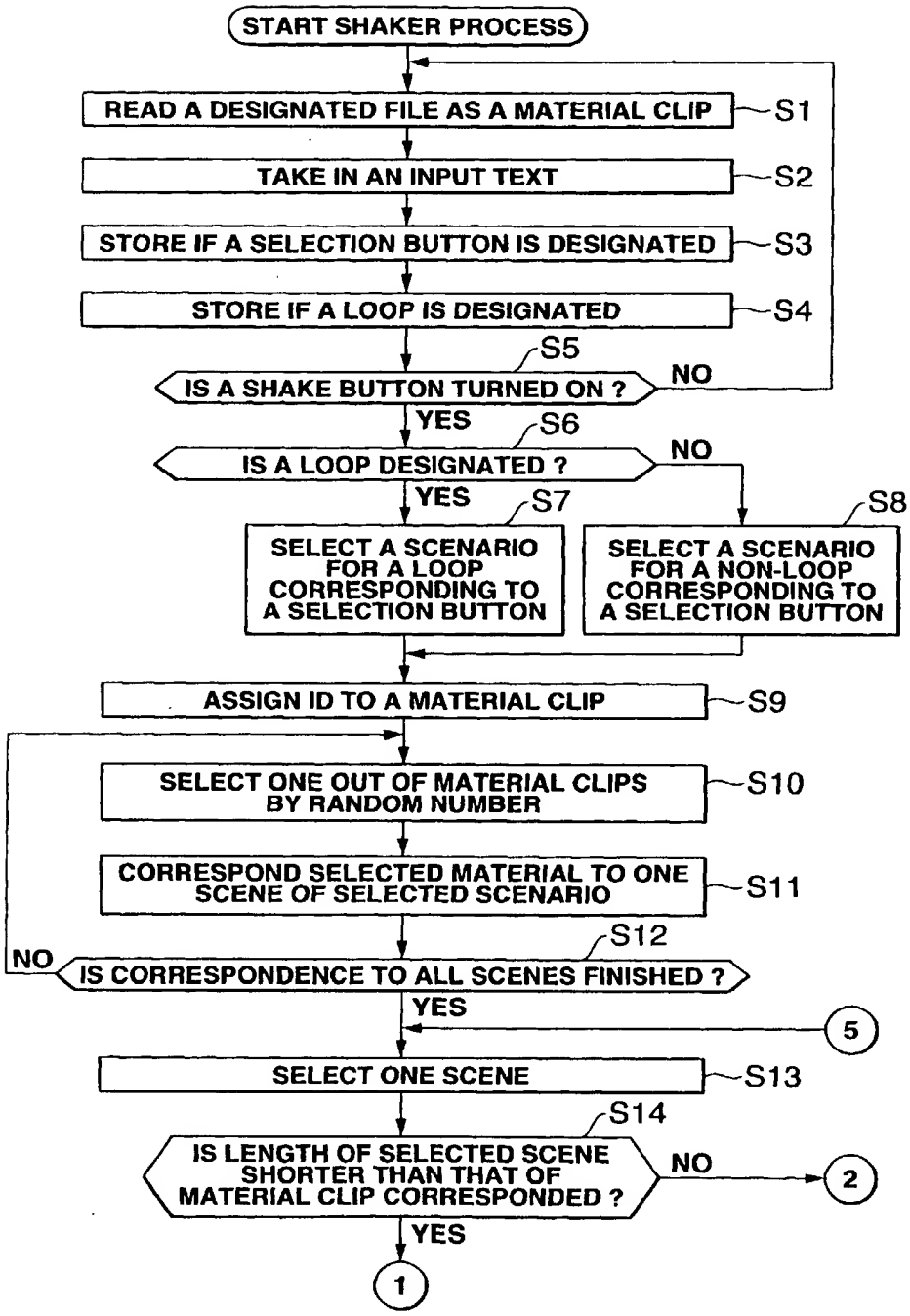
START SHAKER PROCESS
READ A DESIGNATED FILE AS A MATERIAL CLIP
S1
TAKE IN AN INPUT TEXT
S2
STORE IF A SELECTION BUTTON IS DESIGNATED
S3
STORE IF A LOOP IS DESIGNATED
S4
S5
IS A SHAKE BUTTON TURNED ON ?
NO
YES
S6
IS A LOOP DESIGNATED ?
NO
YES
S7
S8
SELECT A SCENARIO FOR A LOOP CORRESPONDING TO A SELECTION BUTTON
SELECT A SCENARIO FOR A NON-LOOP CORRESPONDING TO A SELECTION BUTTON
ASSIGN ID TO A MATERIAL CLIP
S9
SELECT ONE OUT OF MATERIAL CLIPS BY RANDOM NUMBER
S10
CORRESPOND SELECTED MATERIAL TO ONE SCENE OF SELECTED SCENARIO
S11
S12
NO
IS CORRESPONDENCE TO ALL SCENES FINISHED ?
YES
5
SELECT ONE SCENE
S13
S14
IS LENGTH OF SELECTED SCENE SHORTER THAN THAT OF MATERIAL CLIP CORRESPONDED ?
NO
2
YES
1

FIG.25A

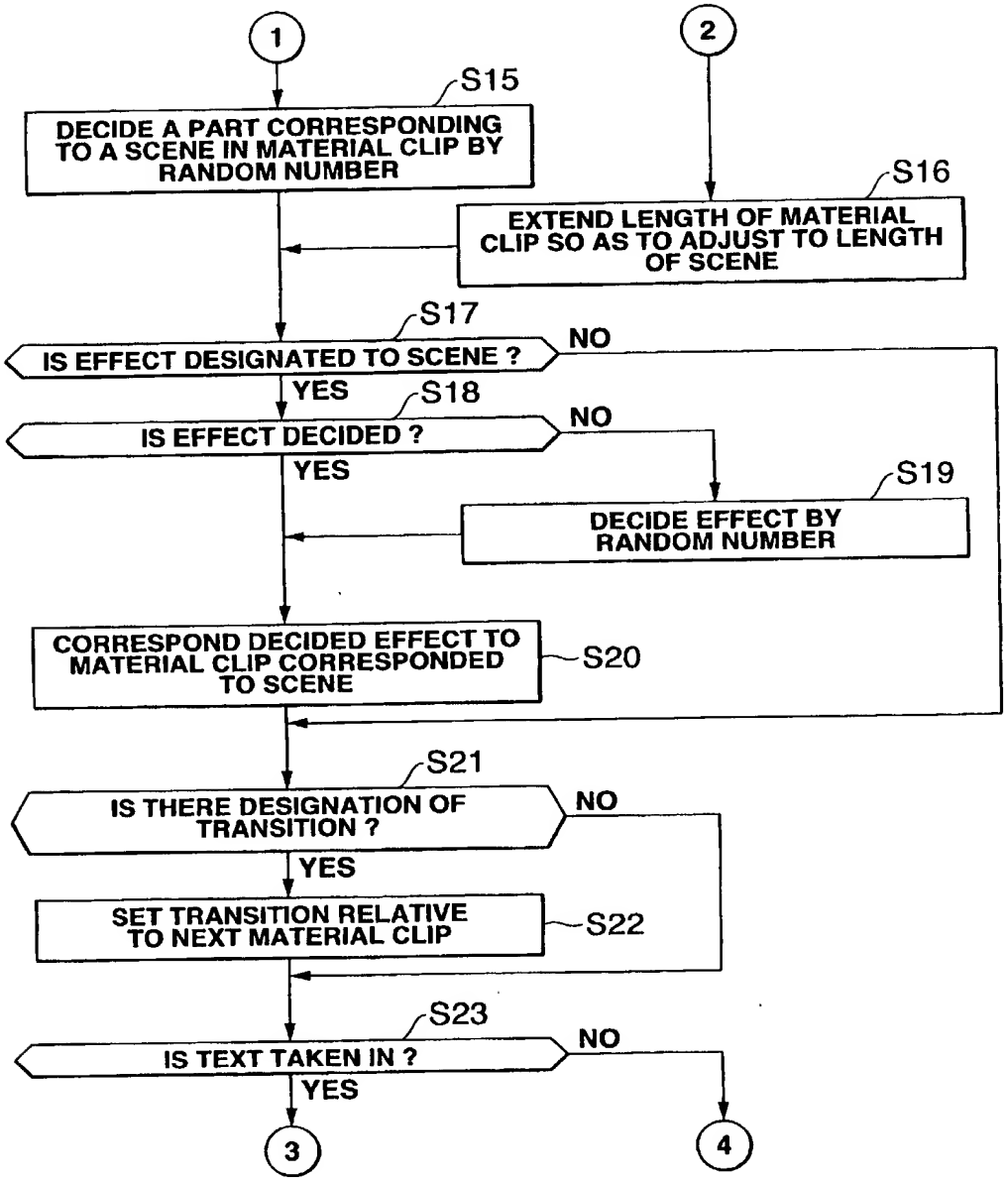
1
2
S15
DECIDE A PART CORRESPONDING TO A SCENE IN MATERIAL CLIP BY RANDOM NUMBER
S16
EXTEND LENGTH OF MATERIAL CLIP SO AS TO ADJUST TO LENGTH OF SCENE
S17
IS EFFECT DESIGNATED TO SCENE ?
NO
YES
S18
IS EFFECT DECIDED ?
NO
YES
S19
DECIDE EFFECT BY RANDOM NUMBER
CORRESPOND DECIDED EFFECT TO MATERIAL CLIP CORRESPONDED TO SCENE
S20
S21
IS THERE DESIGNATION OF TRANSITION ?
NO
YES
SET TRANSITION RELATIVE TO NEXT MATERIAL CLIP
S22
S23
IS TEXT TAKEN IN ?
NO
YES
3
4

FIG.25B

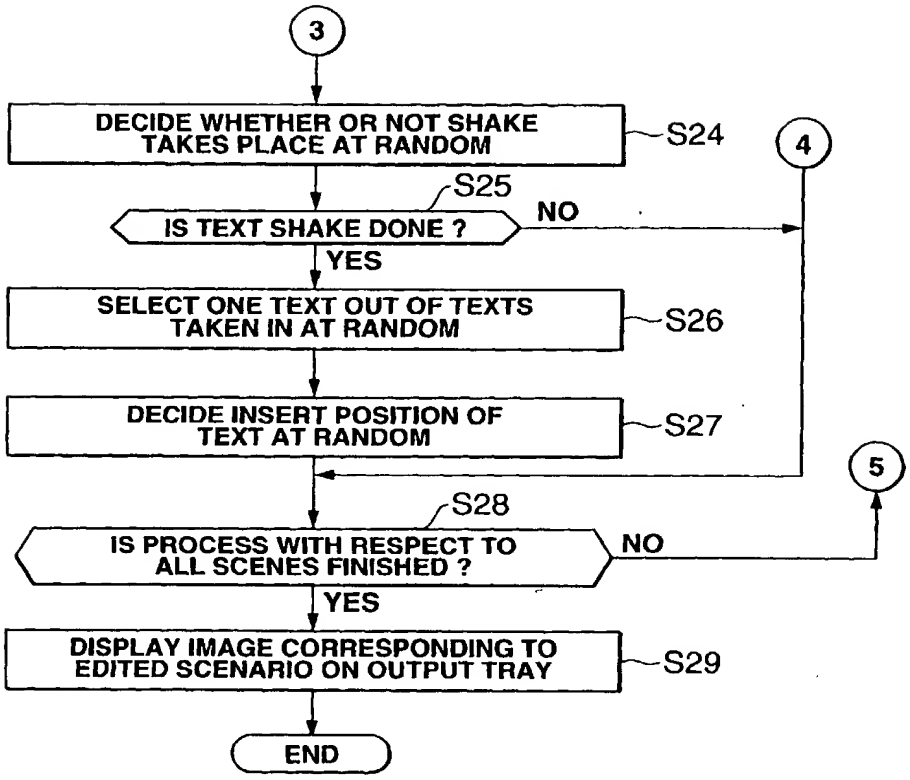
3
DECIDE WHETHER OR NOT SHAKE TAKES PLACE AT RANDOM
S24
4
S25
IS TEXT SHAKE DONE ?
NO
YES
SELECT ONE TEXT OUT OF TEXTS TAKEN IN AT RANDOM
S26
DECIDE INSERT POSITION OF TEXT AT RANDOM
S27
5
S28
IS PROCESS WITH RESPECT TO ALL SCENES FINISHED ?
NO
YES
DISPLAY IMAGE CORRESPONDING TO EDITED SCENARIO ON OUTPUT TRAY
S29
END

FIG.25C

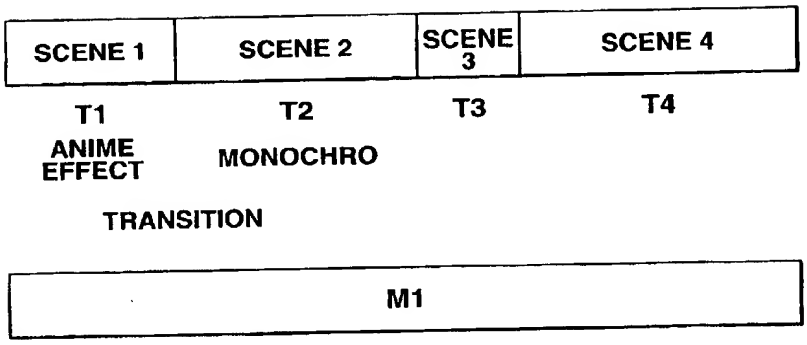

FIG.26A

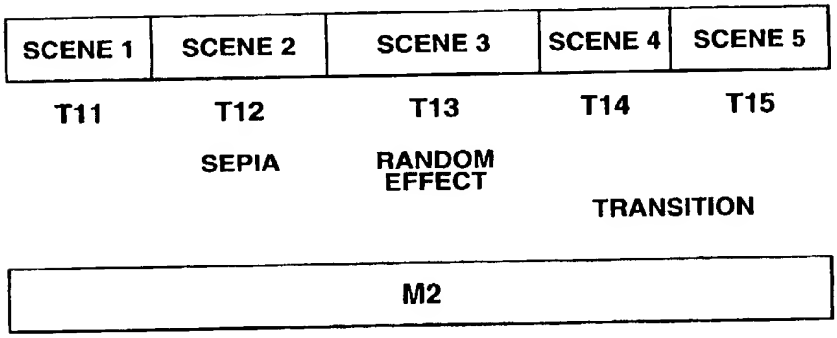

FIG.26B

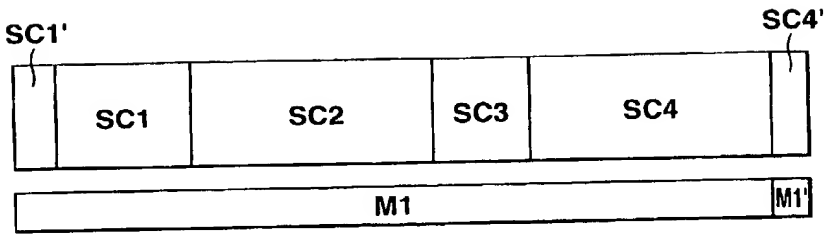

FIG.27A

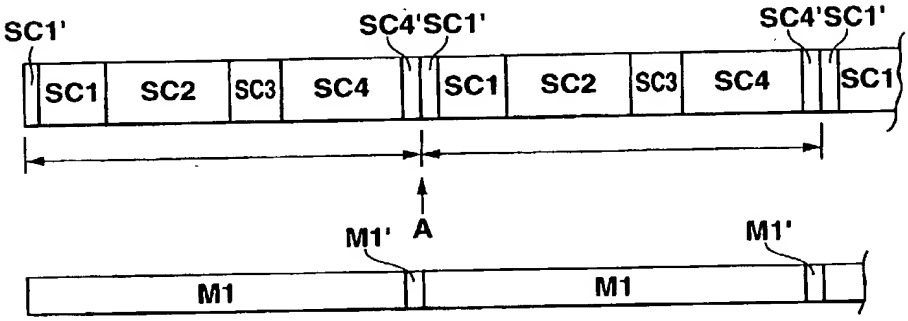

FIG.27B

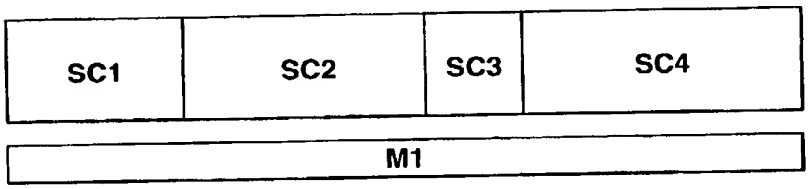

FIG.27C

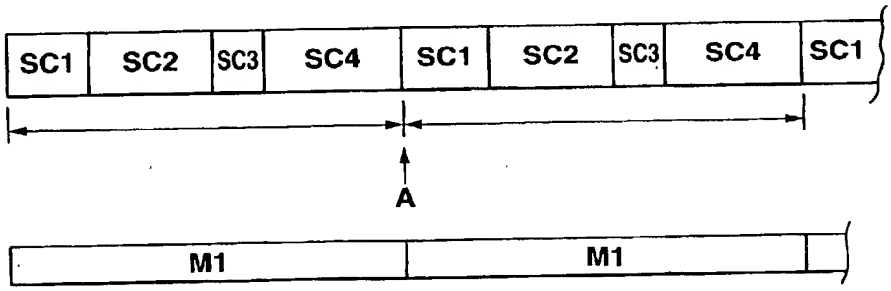

FIG.27D

T04250 "5947/5950

09/937163

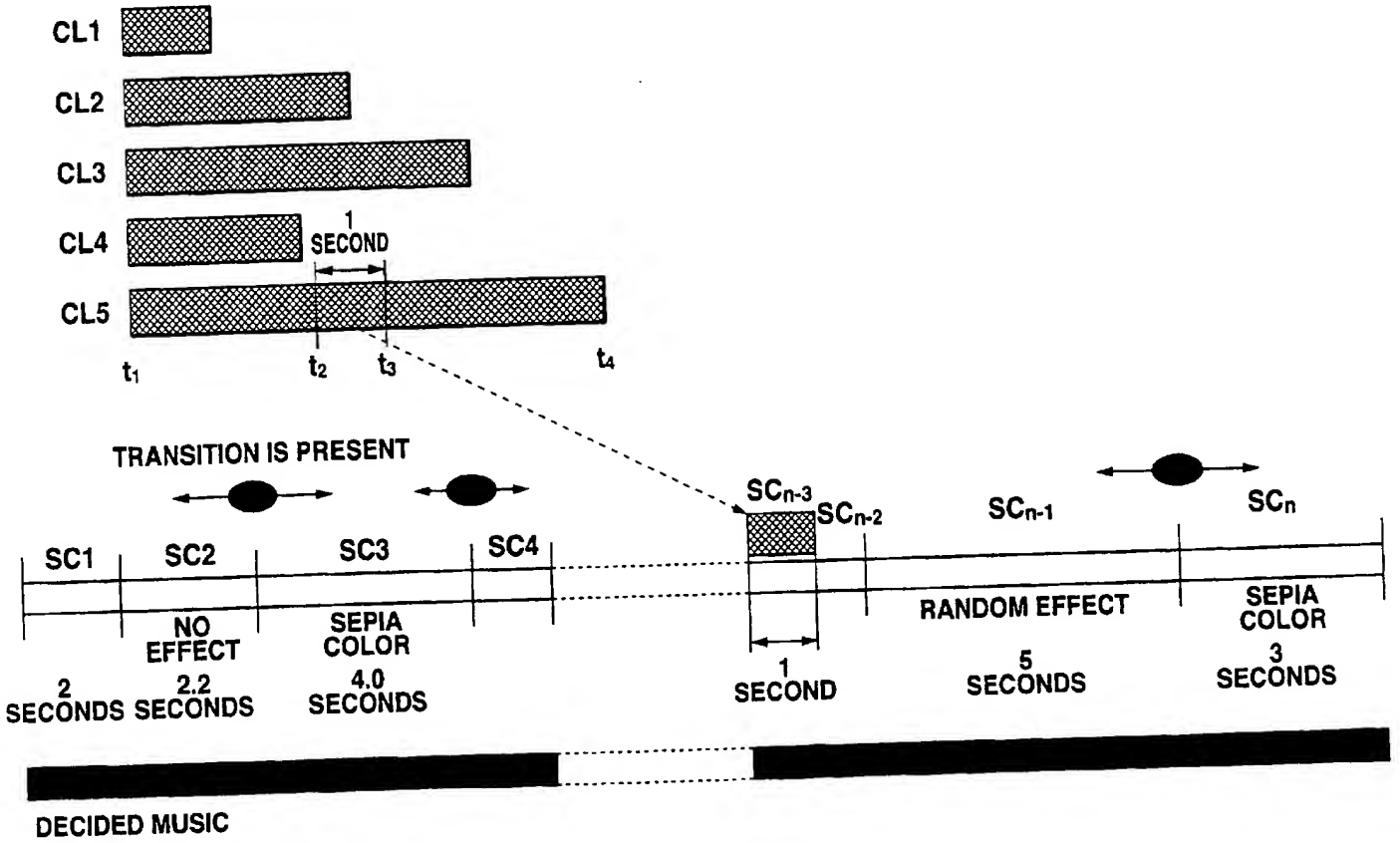

FIG.28